



- ☐ English language abstract(s) of foreign patent document(s)
- ☐ This application relies, under 35 U.S.C. §120, on the earlier filing date of U.S. Application Serial No. \*\*\*\*, filed \*\*\*. The information identified on the attached PTO 1449 form was submitted to and/or cited by the Patent and Trademark Office in this earlier application and, therefore, copies are not required to be provided in this application.

1. ☒ This Information Disclosure Statement is filed before the later of:
- ☐ three months from the filing date of this national application;
  - ☐ three months from the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or
  - ☒ the mailing date of a first office action on the merits.

In accordance with 37 CFR 1.97(b), no fee is required.

2. ☐ This Information Disclosure Statement is filed after the events noted in paragraph 1, but before either:
- ☐ a final action under 37 CFR 1.113, or an action that otherwise closes prosecution,
  - ☐ a Notice of Allowance under 37 CFR 1.311.

In accordance with 37 CFR 1.97(c), also enclosed is

- ☐ a fee under 37 CFR 1.17(p) for \$180.00; or
  - ☐ a certification as stated below.
3. ☐ This Information Disclosure Statement is filed before payment of the issue fee, but after either
- ☐ a final action under 37 CFR 1.113, or an action that otherwise closes prosecution;
  - ☐ a Notice of Allowance under 37 CFR 1.311.

In accordance with 37 CFR 1.97(d), also enclosed is:

- ☐ a certification, as stated below; and
- ☐ the IDS processing fee set forth in 37 CFR 1.17(p)(1) in the amount of \$180.00.

Certification

The undersigned states:

☐ Each item of Information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement; or

☐ No item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Information Disclosure Statement.

**TOTAL FEES:**      \$-0-

☐ A check for the amount of the above indicated TOTAL FEES is attached.

☐ Please charge Deposit Account No. 19-0733 in the amount of \$ .

☐ A check for \$ is enclosed.

☒ No fee is required.

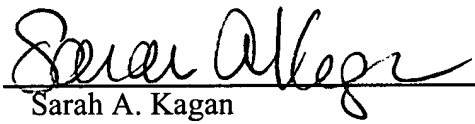
☐ Please charge or credit Deposit Account No. 19-0733 for an deficiency or overpayment associated with this Information Disclosure Statement.

A duplicate copy of this sheet is enclosed for accounting purposes.

It is respectfully requested that the Examiner fully consider each item of information, initial the enclosed Form PTO-1449 in the appropriate place to indicate that the information has been considered, and return a copy of the initialed form to the undersigned in accordance with MPEP Section 609.

Respectfully submitted,

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